



Spallation Neutron Source Weekly Highlights	Week Ending: 08/29/2003
	Date Prepared: 09/02/2003
	Prepared By: Ian Anderson
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WBS 1.6 and 1.7, DOE MIE, and Other IDTs	Subproject: Experimental Facilities Div.

Approved by:

September 15, 2003

Name: Ian Anderson
Title: Director,
Experimental Facilities Division

Date

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WBS 1.6 Line Item - Target Systems

- Installed pipe chase shielding above the monolith.
- The design drawings, specification and calculations for the neutron beam line vessel inserts were issued for fabrication.
- Target Systems' personnel met with representatives from PTS, Inc. to review the requirements for installation of the Target Protection System conduit in the RTBT Service building.
- Received final data package for Core Vessel and External Shielding contract.
- The RFP for Coating the Outer Reflector Plug beam tubes has been released. Proposals are due back in September.
- During the 48 h test run of the mercury pump, bearing temperatures reached approximately 94°C. Although this is less than the maximum rated service temperature for the bearing and bearing grease, lower temperatures are desirable. Consequently the pump manufacturer is working with the bearing supplier to see if a different greasing procedure would result in lower temperatures.

WBS 1.7 Line Item, Instrument Systems

- Technical evaluation has been completed for the vendor bids for the liquids reflectometer sample-stage. We anticipate a contract award on this procurement in the near future.

DOE MIE

- Prepared detector comparison for SNAP, SCD, MANDI on resolution, count rate, and counting characteristics important for elastic scattering.
- Researched a detector option for the Single Crystal Instrument based on position sensitive photomultiplier tubes.

Other IDTs

- A Letter of Intent for the TOF-USANS instrument has been prepared and is undergoing final revisions.